

U.S. Application No. 09/855,804 Examiner Jason E. Mattis Art Unit 2665
Amendment & RCE to June 29, 2005 Office Action

AMENDMENT

IN THE CLAIMS:

Pursuant to 37 CFR § 1.121, below is a complete listing of all claims in the application.

1. (Currently Amended) A system for routing an incoming call from a calling party for a telephone line of a subscriber comprising:

a service switching point associated with the telephone line; and

a service control point in communication with the service switching point,

wherein when the service switching point detects the incoming call, the service switching point launches a query comprising a subscriber number to the service control point,

wherein when the service control point receives the query, the service control point determines whether the calling party is a priority caller,

wherein the service control point returns a default response to the service switching point if the calling party is not a priority caller, and

wherein the service control point returns a priority response to the service switching point if the calling party is a priority caller, the priority response comprising an action to ring a telephone associated with the telephone line with an alert signal that is different from a regular ringing tone, forwarding the incoming call to another telephone associated with a second telephone line of the subscriber, forwarding the incoming call to a wireless telephone of the subscriber via a wireless telephone network, and establishing a communication session with a calling party and a computer associated with the subscriber via a computer network.

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2. (Original) The system of claim 1, wherein the query further comprises priority caller information.

3. (Original) The system of claim 2, wherein the priority caller information is a telephone number associated with a second telephone line that is used by the calling party to initiate the incoming call.

4. (Original) The system of claim 2, wherein the priority caller information is a priority code supplied by the calling party.

5. (Original) The system of claim 1, wherein the default response comprises an instruction for the service switching point to terminate the call using a regular ringing tone and the priority response comprises an instruction for the service switching point to terminate the call using a priority alert signal.

6. (Original) The system of claim 1, wherein the priority response comprises an instruction for the service switching point to initiate an outgoing call to another telephone associated with the subscriber.

7. (Original) The system of claim 6, wherein the another telephone is a wireless telephone.

8. (Original) The system of claim 1, wherein the service control point establishes a communication session with a computer associated with the subscriber via a computer network.

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9. (Original) The system of claim 8, wherein the communication session uses TCP/IP.

10. (Original) The system of claim 8, wherein the communication session is a voice-over-Internet protocol session.

11. (Currently Amended) A method for routing an incoming call from a calling party for a telephone line of a subscriber comprising the steps of:

associating a subscriber number of the subscriber with priority caller information;

storing the subscriber number and the priority caller information in a database;

detecting the incoming call;

consulting the database to determine whether the incoming call comprises the priority caller information; and

executing a priority action if the incoming call comprises the priority caller information,

wherein the priority action comprises ~~one or more of~~ ringing a telephone associated with the telephone line with a priority alert signal that is different from a regular ringing tone; generating an outgoing call to another telephone associated with a second telephone line of the subscriber; generating an outgoing call to a wireless telephone of the subscriber via a wireless telephone network; and establishing a communication session with a computer associated with the subscriber via a computer network.

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12. (Original) The method of claim 11, wherein the priority caller information is a telephone number associated with a second telephone line that is used to initiate the incoming call.

13. (Currently Amended) The method of claim 11, ~~wherein the priority caller information is a priority code supplied by the calling party.~~ further comprising the step of:
prompting the calling party to input calling party priority information, the
calling party priority information comprising an instruction for executing the
priority action;
receiving the calling party priority information; and
executing the priority action according to the calling party information,
wherein the priority action comprises ringing the telephone with a calling party
specified priority alert signal that is different from a regular ringing tone,
generating the outgoing call to another telephone associated with the second
telephone line of the subscriber, generating the outgoing call to the wireless
telephone of the subscriber via a wireless telephone network, and establishing the
communication session with the computer associated with the subscriber and the
calling party via the computer network.

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14. (Currently Amended) A method for routing an incoming call from a calling party for a telephone line of a subscriber comprising the steps of:

associating a subscriber number of the subscriber with at least one priority caller number, each of the priority caller numbers comprising two or more priority codes for executing a corresponding call processing priority action;

storing the subscriber number and the at least one priority caller number in a database;

detecting the incoming call;

consulting the database to determine whether the incoming call comprises the at least one priority caller number; and

executing a the priority action if the incoming call comprises the at least one priority caller number, the priority action comprising an action to ring a telephone associated with the telephone line with an alert signal that is different from a regular ringing tone, forwarding the incoming call to another telephone associated with a second telephone line of the subscriber, forwarding the incoming call to a wireless telephone of the subscriber via a wireless telephone network, and establishing a communication session with a calling party and a computer associated with the subscriber via a computer network.

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15. (Original) The method of claim 14, wherein the priority action comprises playing a priority alert signal to alert the subscriber to the incoming call.

16. (Original) The method of claim 14, wherein the priority action comprises generating at least one outgoing call to one or more telephones associated with the subscriber.

17. (Original) The method of claim 14, wherein the priority action comprises generating an outgoing call to a wireless telephone associated with the subscriber via a wireless telephone network.

18. (Original) The method of claim 14, wherein the priority action comprises establishing a communication session with a computer associated with the subscriber via a computer network.

19. (Original) The method of claim 18, wherein the communication session uses TCP/IP.

20. (Original) The method of claim 18, wherein the communication session uses voice-over-Internet protocol.

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21. (Currently Amended) A method for routing an incoming call from a calling party to a telephone line of a subscriber comprising the steps of:

associating a subscriber number of the subscriber with at least one priority code;

storing the subscriber number and the at least one priority code in a database;

soliciting the calling party for a priority code when the incoming call is received, the priority code comprising an instruction for executing a priority action for further processing the incoming call;

receiving the priority code from the calling party;

consulting the database to determine whether the priority code matches any of the at least one priority codes; and

executing a the priority action if the priority code matches one of the at least one priority codes, the priority action comprising an action to alert the terminating equipment associated with the telephone line with a priority alert signal that is different from a regular ringing tone, the terminating equipment comprising a telephone and a computer.

22. (Canceled)

23. (Currently Amended) The method of claim 21, ~~wherein the priority action further comprising comprises generating at least one outgoing call to one or more telephones associated with the subscriber an action to generate an outgoing call to other terminating equipment associated with a second telephone line of the subscriber.~~

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24. (Currently Amended) The method of claim 21, ~~wherein the priority action comprises generating an outgoing call to a wireless telephone associated with the subscriber via a wireless telephone network~~ an action to route the incoming call to a wireless telephone of the subscriber via a wireless telephone network.

25. (Original) The method of claim 21, ~~wherein the priority action comprises establishing a communication session with a computer associated with the subscriber via a computer network~~ comprising an action to establish a communication session between the calling party and a computer associated with the subscriber via a computer network.

26. (Previously Presented) The method of claim 25, wherein the communication session uses TCP/IP.

27. (Previously Presented) The method of claim 25, wherein the communication session uses voice-over-Internet protocol.

28. (Currently Amended) A method comprising the steps of:
associating a subscriber number of the subscriber with priority caller information, the priority caller information comprising a priority caller number and a priority caller code, the priority code comprising an instruction for executing a priority action for processing an incoming communication;

storing the subscriber number and the priority caller information in a database;

detecting ~~an~~ the incoming communication to a telephone line of a subscriber, the telephone line comprising the subscriber number;

consulting the database to determine whether the incoming communication

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comprises the priority caller information; and

executing a the priority action if the incoming communication comprises the priority caller information, the priority action comprising ~~an action to ring a telephone associated with the telephone line with a priority alert signal that is different from a regular ringing tone,~~ an action to generate an outgoing call to another telephone associated with another telephone line, an action to generate an outgoing call to a wireless telephone associated with the subscriber, and an action to establish a communication session ~~with~~ among the incoming communication and a computer associated with the subscriber.

29. (New) The method of claim 28, further comprising the step of:

prompting a calling party of the incoming communication to input calling party priority information, the calling party priority information comprising a calling party instruction for executing the priority action;

receiving the calling party priority information; and

executing the priority action according to the calling party information, the priority action comprises an action to alert the terminating equipment associated with the telephone line with a priority alert signal that is different from a regular ringing tone, the terminating equipment comprising a telephone and the computer.